REMARKS/ARGUMENTS

After the foregoing Amendment, Claims 1-29 are currently pending in this

application. Claims 1 and 26 have been amended to more distinctly claim subject

matter. Claim 27 was previously presented in a preliminary amendment, however

it appears that it was not considered by the examiner. Therefore claim 27 has been

resubmitted for consideration. New claims 28 and 29 have been added to more

distinctly claim subject matter. In the specification, paragraph [0001] has been

amended to update the continuation data. Applicants submit that no new matter

has been introduced into the application by these amendments.

Objections to the Specification

The Examiner objected to the specification because the continuation data

referred to a U.S. patent application that recently issued as a U.S. Patent. The

specification has been amended to update the continuation data. The withdrawal of

the objection to the specification is respectfully requested.

**Double Patenting Rejection** 

Claims 1-26 are rejected under the judicially created doctrine of nonstatutory

obviousness-type double patenting as being unpatentable over claims 5, 6, 8-10, 15,

- 13 -

16, 27, 36-44, and 65 of U.S. Patent No. 6,728,517. A Terminal Disclaimer is

submitted herewith to overcome the nonstatutory obviousness-type double

patenting rejection. The withdrawal of the nonstatutory obviousness-type double

patenting rejection is respectfully requested.

Claim Rejections - 35 USC §102

Claims 1, 6, 7 and 23-25 stand rejected under 35 U.S.C. §102(e) as being

anticipated by U.S. Patent No. 7,006,848 to Ling et al. (hereinafter "Ling").

Claim 1 has been amended to include the element of "a first power amplifier

that amplifies the first radio frequency signal; and a second power amplifier that

amplifies the second radio frequency signal, wherein the power amplifiers are

internal or external to the single semiconductor integrated circuit." Instead, Ling

teaches a different method for transmitting data from a transmitter unit to a

receiver unit in a multiple-input multiple-output (MIMO) communication system.

Ling does not teach a first and second power amplifier for amplifying the individual

radio frequency signals. Accordingly, Applicants submit that claim 1 is in condition

for allowance.

Claims 6, 7 and 23 are dependent upon claim 1, and claims 24 and 25 are

dependent on claim 23, all of which the Applicants believe are allowable over the

cited prior art of record for the same reasons provided above.

Based on the arguments presented above, withdrawal of the 35 U.S.C. §102

rejection of claims 1, 6, 7 and 23-25 is respectfully requested.

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Claim Rejections - 35 USC §103

Claims 2-5, 9 and 26 stand rejected under 35 U.S.C. §103(a) as being

unpatentable over Ling in view of U.S. Patent No. 6,215,988 to Matero (hereinafter

"Matero").

Based on the arguments above, Claims 1 and 26 have been amended to

include features not cited by Ling and Matero. Accordingly, Applicants submit that

claims 1 and 26 are in condition for allowance.

Claims 2-5 and 9 are dependent upon claim 1, which the Applicants believe

are allowable over the cited prior art of record for the same reasons provided above.

Based on the arguments presented above, withdrawal of the 35 U.S.C. §103

rejection of claims 2-5, 9 and 26 is respectfully requested.

**Conclusion** 

If the Examiner believes that any additional minor formal matters need to be

addressed in order to place this application in condition for allowance, or that a

telephone interview will help to materially advance the prosecution of this

application, the Examiner is invited to contact the undersigned by telephone at the

Examiner's convenience.

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**Applicant:** Sugar et al. **Application No.:** 10/707,744

In view of the foregoing amendment and remarks, Applicants respectfully submit that the present application, including claims 1-29, is in condition for allowance and a notice to that effect is respectfully requested.

Respectfully submitted,

Sugar et al.

Wesley 7. McMichael

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WTM/NCM/ml Enclosure

## Maryellen Leusky

From: Wesley T. McMichael

Sent: Wednesday, October 31, 2007 10:11 AM

To: Maryellen Leusky; Neil C. Maskeri

Subject: Emailing: 20071029--COG-2-0977 02 us-Reply(DRAFT)

Attachments: 20071029--COG-2-0977 02 us-Reply(DRAFT).doc



20071029--COG-2-0977 02 us-Rep...

opefully this is third time is charm. This is the final version.

Wes

The message is ready to be sent with the following file or link attachments:

20071029--COG-2-0977 02 us-Reply(DRAFT)

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